

Title (en)

Metering frequency hopping network handling a synchronization request from an end device

Title (de)

Behandlung einer Synchronisationsanfrage eines Endgeräts in einem Netz mit Frequenzsprung für Sammlung von Messungsdaten

Title (fr)

Réseau à saut de fréquences utilisé pour une collecte de données traitant une demande de synchronisation d'un terminal.

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Application

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Abstract (en)

The present invention relates to methodology for an end device within an advanced metering system frequency hopping network to handle a synchronization request from another end device, comprising: providing a frequency hopping network including a plurality of end devices, at least some of which end devices comprise metrology devices; configuring the plurality of end devices for bi-directional communications with other end devices; receiving a synchronization request at a given end device from a neighboring unsynchronized end device; and determining whether the given end device has received within a predetermined number of recent time slots a message from a father end device by which the given end device has been synchronized, and if so, then transmitting a synchronization acceptance signal to the requesting unsynchronized end device; or if not, then transmitting a beacon request signal to a registered father end device. Likewise, the invention relates to an advanced metering system frequency hopping network.

IPC 8 full level

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